

GOLOVANOVA, E.N., kand. biolog. nauk; STATIVKIN, V.O., kand.
sel'skokhoz. nauk

Practices in controlling sparrows in Tadzhikistan. Zashch.
rast. ot vred. i bol. 7 no. 10:25 0 '62. (MIRA 16:6)

(Tadzhikistan--Sparrows--Extermination)

STATIVKIN, V.G.

Our tasks. Zashch. rast. ot vred. i bol. 8 no.1:1-3 Ja '63.
(MIRA 16:5)

1. Nachal'nik Gosudarstvennoy inspeksii po karantinu i zashchite
rasteniy Ministerstva sel'skogo khozyaystva SSSR.
(Plants, Protection of)

STATIVKIN, V.I., prepodavatel'

Two forms of the distribution of material goods during
large-scale building of communism. Uch. zap Stavr. gos.
med. inst. 12:29-30 '63. (MIRA 17:9)

1. Kafedra marksizma-leninizma (zav. dotsent D.V. Fomin)
Stavropol'skogo gosudarstvennogo meditsinskogo instituta.

ARTYUKHOVA, N.N.; BREMER, L.F.; GRIGORENKO, A.S.; IFATOVA, M.S.;
KARHYSHEVA, T.D.; KOZLOV, V.M.; KOLYSHEVA, L.I.;
KUCHUMOVA, N.A.; MAKAROVA, M.Ye.; PUCHKOVA, N.A.;
SEKIRINA, Ye.T.; SOKOLOVA, T.S.; STATIYEVA, V.F.;
TYUNIAYEVA, V.V.; KHRAMTSOVA, A.A.; CHURAYEVA, V.V.;
FOKIN, D.F., red.

[Foreign trade of the U.S.S.R. for 1959-1963; a statistical
abstract] Vneshniaia torgovlia Soiuza SSR za 1959-1963 go-
dy; statisticheskiy sbornik. Moskva, Vneshtorgizdat, 1965.
(MIRA 18:7)
483 p.

1. Russia (1923- U.S.S.R.) Ministerstvo vneshney torgovli.
Planovo-ekonomicheskoye upravleniye. 2. Nachal'nik Planovo-
ekonomicheskogo upravleniya Ministerstva vneshney torgovli
SSSR (for Fokin).

U

ALEKSEYEV, F.K.; ANDRIYUTS, G.L.; ARSENT'YEV, A.I.; ASTAF'YEV, Yu.P.; BEVZ, N.D.; BEREZOVSKIY, A.I.; GENERALOV, G.S.; DOROSHENKO, V.I.; YESHCHENKO, A.A.; ZAPARA, S.A.; KALINICHENKO, V.F.; KARNAUSHENKO, I.K.; KIKOVKA, Ye.I.; KOBODEV, V.N.; KUPIN, V.Ye.; LOTOUS, V.K.; LYAKHOV, N.I.; MALYUTA, D.I.; METS, Yu.S.; OVODENKO, B.K.; OKSANICH, I.F.; PANOV, V.A.; POVZNER, Z.B.; PODORVANOV, A.Z.; POLISHCHUK, A.K.; POLYAKOV, V.G.; POTAPOV, A.I.; SAVITSKIY, I.I.; SERBIN, V.I.; SERGEYEV, N.N.; SOVETOV, G.A.; STATKEVICH, A.A.; TERESHCHENKO, A.A.; TITOV, O.S.; FEDIN, A.F.; KHOMYAKOV, N.P.; SHEYKO, V.G.; SHEKUN, O.G.; SESTAKOV, M.M.; SHTAN'KO, V.I.

Practice of construction and exploitation of open pits of Krivoy Rog Basin mining and ore dressing combines. Gor. zhur. no.6: (MIRA 16:7)
8-56 Je '63.

(Krivoy Rog Basin--Strip mining)

STATKEVICH, Gafira Iosifovna, doyarka; GAYKO, A.A., kand.sel'skokhoz.
nauk, nauchnyy red.; PSHONIK, B.M., red.; ZIMA, Ye.G., tekhnred.

[My experience in increasing the milk yield of cows] *Moi opyt*
razdoia korov. Minsk, 1961. 22 p. (Obeshchestvo po rasprostra-
neniiu politicheskikh i nauchnykh znanii Belorusskoi SSR, no.11)
(MIRA 14:6)

1. Sovkhoz "Rachkovichi" Slutskogo rayona Minskoy oblasti (for
Statkevich).
(Slutsk District—Dairying)

GINDIN, A.P.; OGIVENKO, N.M.; LYUTIKOVA, O.G.; STATKEVICH, I.A.

Siderocytes in the peripheral blood in virus anemia. Biul.eksp.biol.
i med. 42 no.9:20-21 S '56. (MLRA 9:11)

1. Iz patomorfologicheskoy laboratorii (zav. - prof. A.P.Gindin)
Instituta epidemiologii i mikrobiologii imeni N.F.Gamelei (dir. -
deystvitel'nyy chlen AMN SSSR prof. G.V.Vygodchikov) AMN SSSR.
Predstavlena deystvitel'nym chlenom AMN SSSR P.F.Zdrodovskim
(ANEMIA,
equine infect. anemia in horses, peripheral siderocytes in
(HORSES, diseases,
infect. anémia, poripheral siderocytes in (Rus))
(ERYTHROCYTES,
siderocytes in peripheral blood in equine infect. anemia
of horses (Rus))

GORSHKOV, D.S., otv. red.; ASHMARINA, L.A., red.; UDILOV, V.I., glav. inzh., red.; BAYANOV, M.A., starshiy nauchnyy sotr., red.; KAPUSTIN, V.A., starshiy nauchnyy sotr., red.; STATKEVICH, I.I., starshiy inzh.; OSIPOV, A.I., starshiy nauchnyy sotr., otv. red.

[Transactions of the Sverdlovsk Scientific Research Institute for the Lumbering Industry] Trudy Sverdlovskogo nauchno-issledovatel'skogo instituta lesnoy promyshlennosti. [n.p.] TSentr. nauchno-issl. in-t mekhanizatsii i energetiki lesnoi promyshl., 1960. 56 p. (MIRA 15:1)

1. Sverdlovsk. Sverdlovskiy nauchno-issledovatel'skiy institut lesnoy promyshlennosti. 2. Direktor Sverdlovskogo nauchno-issledovatel'skogo instituta lesnoy promyshlennosti (for Gorshkov). 3. TSentral'nyy nauchno-issledovatel'skiy institut mekhanizatsii i energetiki lesnoy promyshlennosti (for Osipov).

(Lumbering--Research)

STATKEVICH, M., polkovnik; PERSHINA, M., podpolkovnik; RAD'KO, V., podpolkovnik; PANFILENOK, podpolkovnik; SELINA, A., podpolkovnik; NIKONOVA, V., podpolkovnik meditsinskoy sluzhby

Features of rear-echelon support of troops in the mountains. Tyl
i snab.Sov.Voor.Sil 21 no.1:33-45 Ja '61. (MIRA 14:6)

1. Ofitsery tyla Zakavkazskogo voyennogo okruga.
(Mountain warfare)

STATKEVICH, M., polkovnik

Lessons were instructive and interesting. Tyl i snab.Sov.Voor.Sil
21 no.3:18-19 Mr '61. (MIRA 14:6)
(Russia—Army—Officers)

STATKEVICH, M., polkovnik

Improve the technological basis for training. Tyl i snab.
Sov. Voor. Sil 21 no.9: 23-26 S '51. (MIRA 14:12)
(Military education)

STATKEVICH, S., inzhener.

Power factor has been increased. Muk.-elev.prom. 20 no.10:30 0 '54.
(MLRA 7:12)

1. Vil'nyusskaya mel'nitsa No. 2.
(Condensers (Electricity))

L 23001-66 EWP(e)/ENT(m)/EWP(w)/T/EWP(t) IJP(c) JD/JG/JT

ACC NR: AP6012145

SOURCE CODE: UR/0413/66/000/007/0061/0061

47
B

INVENTOR: Movchan, B. A.; Statkevich, V. N.

ORG: none

TITLE: Molybdenum-base alloy. Class 40, No. 180352 [announced by the Electric
Welding Institute im. Ye. O. Paton, AN UkrSSR (Institut elektrosvarki AN UkrSSR)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 7, 1966, 61

TOPIC TAGS: molybdenum, molybdenum alloy, titanium containing alloy, boron contain-
ing alloy 27

ABSTRACT: This Author Certificate introduces a molybdenum-base alloy with improved
physicomechanical and technological properties containing 0.05–0.1% titanium and
0.15–0.3% boron. 18 [AZ]

SUB CODE: 11/ SUBM DATE: 16May64/ ATD PRESS: 4738

2

Card 1/1 *pla*

UDC: 669.28'781'295

L 8223-66 EWT(m)/EWP(t)/EWP(b) IJP(c) JD/JG/JT

SOURCE CODE: UR/0286/65/000/019/0072/0072

ACC NR: AP5026532

INVENTOR: Movchan, B. A.; Statkevich, V. N. 44,55TITLE: Molybdenum-base alloy. 44,55 Class 40, No. 175235 [announced by the Electric
Welding Institute im. Ye. O. Paton, AN UkrSSR (Institut elektrosvarki AN UkrSSR)] 44,55

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 72

TOPIC TAGS: molybdenum, molybdenum alloy, titanium containing alloy, carbon contain-
ing alloy 27ABSTRACT: This Author Certificate introduces a molybdenum-base alloy containing
0.05—0.1% Ti, 0.08—0.12% C, and the balance molybdenum. [ND]

SUB CODE: 11/ SUBM DATE: 21Jul64/ ATD PRESS: 4148

BC

Card 1/1

UDC: 669.28.018.2

ACC NR: AP6033049

SOURCE CODE: UR/0126/66/022/002/0227/0233

AUTHOR: Yefimov, A. I.; Kushnareva, N. P.; Statkevich, V. N.;
Trefilov, V. I.ORG: Institute of Physics of Metals, AN UkrSSR (Institut metallofiziki
AN UkrSSR); Electric Welding Institute im. Ye. O. Paton, AN UkrSSR
(Institut elektrosvarki AN UkrSSR)TITLE: Structure sensitivity of plastic properties of electron beam
melted molybdenum alloysSOURCE: Fizika i metallov i metallovedeniye, v. 22, no. 2, 1966,
227-233TOPIC TAGS: molybdenum, molybdenum alloy, molybdenum alloy structure,
molybdenum alloy, plasticity, metal crystalABSTRACT: Specimens of electron-beam melted molybdenum and Mo-C-Ti
and Mo-B-Ti alloys have been subjected to bending tests in the as-cast
and annealed (in vacuum at 2000C for 1 hr) conditions. It was found
that the plasticity of molybdenum alloys depends, to a great degree,
on their structure. Specimens of pure molybdenum and Mo-C-Ti alloy cut
from the ingots along their longitudinal axes had crystals positioned
in the lengthwise direction and they were plastic. As-cast pure.

UDC: 548.4

Card 1/2

ACC NR: AP6033049

molybdenum longitudinal specimens withstood bending to 180°, without failure, while annealed specimens failed at 150° in a transcrystalline manner. Specimens of Mo-C-Ti alloy broke at a 150-160° bending angle with a fracture along the grain. Specimens of pure molybdenum and Mo-C-Ti alloy cut across the ingot axis were predominantly brittle and broke at 0°, with the exception of annealed specimens which broke at 70-90°. All longitudinal and crosssectional specimens of Mo-B-Ti alloy were brittle, showing predominantly transcrystalline fracture. It was established that alloys with high plasticity have clearly developed fragmentation and a disorientation of substructure fragments of 2-4°. Orig. art. has: 4 figures and 1 table.

SUB CODE: 11/ SUBM DATE: 22Dec65/ ORIG REF: 010/ OTH REF: 018

Card 2/2

STATKIEWICZ, J.

(PRZEGLAD ELEKTROTECHNICZNY, Vol. 27, No. 7/8, Aug. 1951, Warszawa, Poland)
"Technical progress in electricl engineering." p. 264.

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L.C., Vol. 3, No. 4, APRIL 1954

STATKIEWICZ, J.; METAL, A.

"Analysis of Constructional Outlines of a Single-Phase Meter for Small Consumers According to Current Economic Needs," p.405
(PRZEGLAD ELEKTROTECHNICZNY Vol. 29, no. 10, Oct. 1953 Warszawa, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

STATHIEWICZ, J.

"Problems of technical control in the production of high-tension circuit breakers."
p. 463. (Przeglad Elektrotechniczny, Vol. 29, no. 11/12, Dec 53, Warszawa)

SO: Monthly List of East European Accessions, Vol 3 No 6 Library of Congress Jun 54 Uncl

MILKOWSKA, M.; STATKIEWICZ, J.

The effect of the load on the life of relay contacts in a railroad
signaling system. Archiw automat 4 no.3/4:281-293 '59. (EEAI 9:7)

1. Politechnika Wroclawska Katedra Teletechniki Loczeniowej i
Centralny Osrodek Badan i Rozwoju Techniki Kolejnictwa.
(Railroads)

MILKOWSKA, M.; STATKIEWICZ, J.

Sintered contact materials for relays of railroad signaling equipment. Archiw automat 6 no.1:79-91 '61. (EEAI 10:5)

1. Politechnika Wroclawska, Katedra Teletechniki Laczeniowej.
(Automatic control) (Railroads) (Electric contactors)
(Powder metal processes) (Relays)

STATKIEWICZ, Jerzy, doc. mgr inz.

Telecontrol installation for the automation of controlling
railroad traffic. Przegl kolej elektrotech 14 no.4:100-105
Ap '62.

STATKIEWICZ, Jerzy, doc. mgr inz.

Telemechanic engineering. Przegl kolej elektrotech 14 no.9:
286-288 S '62.

STATKIEWICZ, Jerzy

Relay contact materials for automatic control equipment of railroads.
Archiw automat 8 no.1:87-97 '63.

1. Centralny Ośrodek Badań i Rozwoju Techniki Kolejnictwa Warszawa.

BULGARIA / Chemical Technology. Chemical Products and Their Applications. Pharmaceuticals. Vitamins. Antibiotics.

H-17

Obs Jour: Ref Zhur-Khimiya, No 3, 1959, 9501.

Author : Ponov, P., Statkov, Kh.

Inst : Not given.

Title : Pectins and Their Use in Medicine.

Orig Pub: Priroda (Bulg.), 1957, 6, No 5, 74-76.

Abstract: No abstract.

Card 1/1

169

STATKOV, N.

STATKOV, N. Mechanization of the wood industry.p.l.

Vol. 5, no. 3, 1956, TEZHKA PROMISHLENOST, SOFIYA, BULGARIA.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10.
Oct. 1956.

PASKOV, D., prof. dr.; STATKOV, P.; NINOVA, P.

Pharmacological and phytochemical study of the plant Verbascum
nobile Vel. Nauch. tr. vissh. med. inst. Sofiia 43 no.4:1-8 '64

1. Chaire de pharmacologie (Directeur: Dr. D. Paskov).

STATNAYA, I.N., inzh.; AKKERMAN, M.Yu., inzh.

First oil extraction plant in Moldavia. Masl.-zhir.prom 26 no.10:
28 0 '60. (MIRA 13:10)

1. Bel'tskiy masloekstraksionnyy zavod.
(Moldavia--Oil industries--Equipment and supplies)

STATNAYA, I.N., inzh.

From the history of the Beltsy Oil Extraction Mills. Maslo-zhir.
Prom. 29 no. 6:38 Je '63. (MIRA 16:7)

1. Bel'tskiy masloekstraktsionnyy zavod.
(Beltsy---Oil industries)

STATNIK, Evteni, inzh.

Multielement antenna. Radio i televiziai 11 no.7:207-209 '62.

1. Glaven inzhener, teleproektant pri zavodite "Elektronika", Bukuresht.

STATNIKOV, A.I.

Cases of rare localization of echinococcus simulating malignant
neoplasms. Med.zhur.Uzb. no.6:78-79 Je '58. (MIRA 13:6)

1. Iz Respublikanskogo onkologicheskogo dispansera UzSSR.
(HYDATIDES)

STATNIKOV, A.M.

Case of resection of the vascular bundle in an extensive tumor
of the soft tissues of the hip. Med.zhur.Uzb. no.10:88-89 0
'58. (MIRA 13:6)

1. Iz Tashkentskogo gorodskogo onkologicheskogo dispansera
(glavnnyy vrach - M.Z. Itin, konsul'tant - prof. L.D. Vasi-
lenko).
(HIP JOINT--TUMORS) (ARTERIES--SURGERY)

KARNAUKHOV, A.F., kand.tekhn.nauk, dotsent; STATNIKOV, R.B., inzh.

Determining the dynamic loads acting upon the transmission gear teeth of locomotives during the passage over rail joints. Trudy MIIT no.200:66-77 '64.

Some problems of the testing of locomotive gear transmissions. (MIRA 18:8)
Ibid.:78-86

YUDIN, D.L., kand.tekhn.nauk, dozent; PORKHACHEV, M.A., inzh.; STATNIKOV, R.B.,
Inzh.; YUDIN, V.A., inzh.

Methodology for the testing of locomotive gear transmissions on a
special stand. Trudy MIIT no.200:105-115 '64.

(MIRA 18:8)

STATNIKOV, S. (Rustavi, Gruzinskaya SSR); MAKAROV, D. (Volzhskiy,
Volgogradskaya oblast')

New cities. Zdorov'e 8 no.12:7-8 D '62. (MIRA 16:1)
(RUSTAVI--PUBLIC HEALTH)
(VOLZHSKIY (VOLGOGRAD PROVINCE)--PUBLIC HEALTH)

STATNIKOV, S.G.

Best crew of road workers in Georgia. Avt. dor. 24 no.7:1-4
J1 '61. (MIRA 14:7)
(Georgia--Road construction)

GNEZDILOV, B.V., inzh., STATNIKOV, V.M., inzh.

Efficient methods of cutting rods. Met. i gornorud. prom.
no.2:71-72 Mr-Ap '62. (MIRA 15:11)
(Pipe mills) (Electric metal cutting)

L 38122-65 EWT(1)/EPF(n)-2/EED(b)-3
ACCESSION NR: AP5006177

Pu-4 IJP(c)

S/0046/65/011/001/0035/0041

AUTHOR: Borisov, Yu. Ya.; Statnikov, Yu. G.

TITLE: Concerning the fluxes produced in a standing sound wave

SOURCE: Akusticheskiy zhurnal, v. 11, no. 1, 1965, 35-41

TOPIC TAGS: sound energy, sound wave, standing wave, Reynolds number, energy density

ABSTRACT: The purpose of the investigation was to estimate theoretically and experimentally the rates of flow excited by a sound wave at high acoustic-energy densities, with practical applications such as acoustic drying of materials in view. It is pointed out in the introduction that little research was done on other than liquid media, especially the boundary between a solid and a gas. An analysis of the flux produced in an acoustic wave has shown that the Rayleigh solutions are valid only at relatively low energy density, and are inapplicable when the Reynolds number exceeds unity. The experiments were performed in a round tube 40 mm in diameter, using a dynamic siren as a sound source. The absolute velocities were

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L 381.22-65

ACCESSION NR: AP5006177

measured by photographing particles suspended in the air with a high-speed camera (up to 1500 frames/sec), and with a Pitot tube and a thermoanemometer. The flow configuration agreed with that derived by Rayleigh, but the flow rate was one order of magnitude larger at a sound-energy level of atcut 140 dB, corresponding to an approximate Reynolds number of 1100. Orig. art. has: 6 figures and 14 formulas.

ASSOCIATION: Akusticheskiy institut AN SSSR, Moscow (Acoustics Institute, AN SSSR)

SUBMITTED: 26Feb64

ENCL: 00

SUB CODE: GP

NR REF Sov: 009

OTHER: 009

MLL

Card 2/2

106208-67-1-1111-1111-1111-1111
ACC NR: AP6029536

SOURCE CODE: UR/0046/66/012/003/0372/0373

AUTHOR: Borisov, Yu. Ya.; Statnikov, Yu. G.ORG: Acoustic Institute, AN SSSR, Moscow (Akusticheskiy institut AN SSSR)TITLE: Measurement of the boundary layer thickness in the presence of a sonic fieldSOURCE: Akusticheskiy zhurnal, v. 12, no. 3, 1966, 372-373TOPIC TAGS: boundary layer, reaction kinetics, ~~combustion~~, heterogeneous combustion, boundary layer thickness, acoustic wave, acoustic field, steady flowABSTRACT: It is well known that a sonic field considerably increases the reaction rate of heterogeneous processes. This reaction rate increase is due to reduction of the hydrodynamic boundary layer thickness. Therefore, a study was made of the thickness of the boundary layer on a flat plate in an air stream with 2-3 m/sec velocities in the presence of acoustic waves with frequencies of 1.2-4 kc/s and acoustic pressures of 7.6×10^3 - 2.4×10^4 bar. The thickness of the boundary layer was measured with a hot wire anemometer which was automatically displaced across the boundary layer. The results showed that for a steady-state flow with a velocity of 2 m/sec and a boundary layer thickness of 10 mm, the application of an acoustic field can reduce the boundary layer thickness by two orders of magnitude. Orig. art. has: 3 figures. [PV]
[W. A. 88]

SUB CODE: 20/ SUBM DATE: 23May65/ ORIG REF: 001/ OTH REF: 003/

Card 1/1 *LC*

UDC: 534.29:532.526

ANDREYEV, I. F.; STATOVA, M. P.

Morphogenesis of lavaret raised in the ponds of Moldavia.
Uch. zap. Kish. un. 13:85-93 '54. (MLRA 9:10)

(Moldavia--Whitefishes) (Embryology--Fishes)

17(1)

AUTHORS:

Irikhimovich, A.I., Statova, M.P.

SOV/20-122-6-48/49

TITLE: A Comparative-Morphological Investigation of the Development of the Hypophysis in Teleosts (Sравнительное морфологическое исследование развития гипофиза kostistykh ryb)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 6, pp 1126-1128 (USSR)

ABSTRACT: The problem of the many-sided function of the hypophysis of teleosts is still insufficiently explained. The reason for this is its structure. The pituitary gland in this case consists of several morphologically different lobules which, however, do not show distinctly visible boundaries. The tissue of the neurohypophysis even penetrates more or less into all parts of the epithelial component of the above gland. Also the removal of the hypophysis is rendered difficult due to its anatomic position in the fishes. The problem of the role of the transition zone in the hypophysis of teleosts has not yet been solved (Refs 4;6,7). The explanation of the problem whether single cell-groups according to their function and location in the various lobules differ as compared to other vertebrates is one of the ways to solve this problem. In recent vertebrates 2 developmental types of the epithelial component of the hypophysis can be distinguished:
A) Above the spot where the oral cavity is formed a cord of epithelial

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SOV/20-122-6-48/49

A Comparative-Morphological Investigation of the Development of the Hypophysis
in Teleosts

cells grows from the internal ectoderm-layers towards the lower area of the brain and of the front end of the chorda. This cord later separates from the ectoderm and forms the rudiment of the hypophysis (in the case of cyclostoma, teleosts, sturgeons, and amphibia). B) Another developmental type is observed in Selachii and amniotes: Rathke's pouch as is known forms due to the extroversion of the ectoderm of the upper wall of the oral cavity. From this pouch the hypophysis rudiment develops. The authors investigated the hypophysis of the carp: Of larvae and young fishes of this year of the age of some days to 3 months. The morphological differentiation of the hypophysis in young carps (Figs 1-4 and description) resembles the one in breams and carps (Refs 11-13). The hypophysis investigated by the author, however, started working only much later than is said in reference 11 (in the case of a length of 35 mm). The authors conclude from their investigations that the functions connected with the front lobule of the hypophysis of teleosts (gonadotropic, thyrotropic, and other functions) are carried out in all other vertebrates (including Selachii, sturgeons, and Dipnoi) by the cells of the front part of the hypophysis, i.e. by the main lobule or by the transition zone.

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SOV/20-122-6-48/49

A Comparative-Morphological Investigation of the Development of the Hypophysis
in Teleosts

Since no basophile cells are found in the main lobule (they were found only in the transition zone) the authors express the opinion that the hormonal functions of the front lobule of the hypophysis are performed by the transition zone.- There are 4 figures and 13 references, 2 of which are Soviet.

ASSOCIATION: Institut biologii Moldavskogo filiala Akademii nauk SSSR
(Institute of Biology of the **Moldavian** Branch of the Academy of Sciences, USSR)

PRESENTED: February 22, 1958, by I.I.Shmal'gauzen, Academician

SUBMITTED: February 21, 1958

Card 3/3

IRIKHIMOVICH, A.I.; STATOVA, M.P.; KUBRAK, I.F.

Sexual cycle of male lavarets from Lake Peipus introduced into
Moldavian ponds. Trudy Inst. biol. Mold. fil. AN SSSR 2 no.2:77-100
'60. (MIRA 15:7)
(Moldavia—Whitefishes)

STATOVA, M.P.

Materials on the reproduction of the crucian carp in fishponds of
Moldavia. Izv. AN Mold. SSR no. 5:49-55 '63.

(MIRA 17:11)

BENYUMOV, R.Ya.; LISENKO, K.O.; STATSEK, N.K.

Progressive medical ideas in Russia before and during the Revolution
of 1905-1907. *Fiziol.zhur. [Ukr.]* 2 no.1:102-108 Ja-F '56.
(MIRA 10:1)

1. Kiivs'kiy medichniy institut imeni akademika O.O.Bogomol'tsya,
kafedra istorii meditsini.
(MEDICINE--HISTORY)

STATSEK, N.K.

Experimental data on the toxicology of methylsystox. Farm.1 toks.
22 no.6:559-565 N-D '59. (MIRA 13:5)

1. Toksikologicheskaya laboratoriya Kiyevskogo instituta gigiyeny
truda i profzabolevaniy (nauchnyy rukovoditel' - dotsent L.I.
Medved').
(SYSTOX--TOXICOLOGY)

STATSEK, N. K., CAND MED SCI, "Data ^{the} ~~MATERIAL~~ ON TOXICOLOGY
OF METHYLSYSTOX AND ITS HYGIENIC STANDARDIZATION." KIEV,
1960. (KIEV ORDER OF LABOR RED BANNER MED INST IM ACADEMII
A. A. BOGOMOLETS). (KL, 2-61, 220).

-285-

STATSEK, N. K.; PAN'SHINA, T. N. (Kiyev)

Experimental data on the toxicological characteristics of methyl-
ethylthiophos. Gig. truda i prof. zab. no.2:53-55 '62.
(MIRA 15:2)

1. Kiyevskiy institut gigiyeny truda i profzabolevaniy.

(INSECTICIDES--TOXICOLOGY)

STATSEK, N.K.

Changes in conditioned response function and cholinesterase activity in animal blood under the effect of methyl mercaptophos. Fiziol. zhur. [Ukr.] 10 no.1:122-125 '64. (MIRA 17:8)

1. Kiyevskiy institut gigiyeny truda i professional'nykh zabolеваний.

TULINOVA, V.B.; STATSENKO, A.A.; PLYUSHCHEV, V.Ye.

Joint solubility of potassium hydroxide and potassium sulfate.
Zhur. neorg. khim. 5 no.11:2530-2533 N '60. (MIREA 13:11)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V.
Lomonosova.
(Potassium hydroxide) (Potassium sulfate)

GAPOCHKO, K.G.; ALIYEV, A.M.; ZELKIND, D.B., kand.med.nauk; STATSENKO,
A.A.; ESTER, E.; BELEDA, R.V.; AZNAUR'YAN, M.S.

Abstracts. Sov.med. 26 no.7:141-144 J1 '62. (MIRA 15:11)

1. Iz kafedry infektsionnykh bolezney Voyenno-meditsinskoy
ordena Lenina akademii imeni S.M.Korova (dor Gapochko). 2. Iz
fakul'tetskogo terapevticheskogo otdeleniya Dagestanskoy
respublikanskoy klinicheskoy bol'nitsy (for Aliyev). 3. Iz
kozhnogo otdeleniya polikliniki No. 68, Moskvy (for Zelkind). 4.
Iz Dokshukinskoy rayonnoy bol'nitsy Kabardino-Balkarskoy ASSR
(for Statsenko). 5. Iz Myssakyul'skoy gorodskoy bol'nitsy
Estonskoy SSR (for Ester).
(MEDICINE—ABSTRACTS)

VULIKH, A.I.; STATSENKO, A.A.; MAKOVETSKIY, M.I.; MIL'SKIY, S.A.

Chemical method for the preparation of welding fluxes. Prom.khim. reak.
(MIRA 17:2)
i osobo chist.veshch. no.2:18-22 '63.

VULIKH, A.I., kand.tekhn.nauk; STATSENKO, A.A., inzh.; MAKOVETSKIY, M.I.,
inzh.; MIL'SKIY, S.A., inzh.

New technology for the production of fluxes for soldering and
welding. Svar. proizv. no.9:24-26 S '63. (MIRA 16:10)

1. Novosibirskiy zavod khimicheskikh reaktivov.

AUTHORS: Korobko, M. I., Zaliznyak, D. V., Firer, M. Ya., 72-58-3-5/15
Statsenko, A. V., Khrizman, S. S.

TITLE: Automatic Pressure-Regulation in Glass-Melting Furnaces
(Avtomatischeeskoye regulirovaniye davleniya v steklovarennykh
pechakh)

PERIODICAL: Steklo i Keramika, 1958, Nr 3, pp. 17-22 (USSR)

ABSTRACT: The major part of the continuous glass-melting furnaces has a regulation of pressure which is carried out by an electro-hydraulic system. Tests with this were carried out in 1952 by V.G. Gutop and V. M. Obukhov in the **Gusevskiy** glassworks imeni Dzerzhinskii (reference 2). Their insufficient reliability and complication was proved in practice. This induced some members of the personnel, amongst whom there was also V. M. Obukhov, to propose other systems of pressure regulation. A series of systems is compared with each other in this work. The regime of chamber pressure has a great influence on the technology and thermodynamics of glass-melting, since it produces the gaseous atmosphere required above the metal. Special importance is attributed to the

Card 1/3

Automatic Pressure-Regulation in Glass-Melting Furnaces

72-58-3-5/15

gaseous and hydraulic regime during the operation with a layer of soda-sulfate, as it was proved in the practice of the Gomel' glassworks. The composition of the exhaust gases of system number 1 of the glass-works at Gomel, is shown in table 1. With respect to the problem of pressure-regulation, the authors refer to the works by M. I. Korobko (reference 1), V. G. Gutop and B. M. Usvitskiy (references 1 and 2). An electro-hydraulic system of pressure-regulation is shown in figure 1. Further, the deficiencies of the hydraulic systems are fully described and the advantages of an electric system, as well as of the rotary slide valves, are pointed out. Data on both equipment and cost of various systems of regulation are given in the table 2. The following component parts of this system are given: an electric manometer **DMR**, regulator **RDM** - 3, recording mechanism **TNSK**, magneto-regulator **MPKRO** - 210, executive mechanism **EMT 25/120**, starter **MPKRO** - 210, executive mechanism **EMT 25/120**, electron regulator **EPR** - , and others. 3 systems of regulation are represented in figures 3, 4 and 5 and a diagram of the recording device is shown in figure 6. The automatic pressure regulation in the furnace, based on the measurement at one point, is qualified as insufficient. The use of the regulator **EPR** of the Institute for Gas-Utilization AN Ukrainian SSR

Card 2/3

Automatic Pressure-Regulation in Glass-Melting Furnaces

72-58-3-5/15

which regulates all sections of the furnace (figure 7) and which was experimentally used in the Gomel glassworks, is recommended. There are 7 figures, 2 tables, and 7 references, 7 of which are Soviet.

1. Glass--Production

Card 3/3

STATSENKO, E.A.

Coal petrography of the Belokamenskoye deposit (Rudnyy Altai).
Izv. AN Kazakh. SSR. Ser. geol. nauk no. 4:83-88 '63. (MIRA 16:9)

1. Institut geologicheskikh nauk AN KazSSR, Alma-Ata.

STATSENKO, G.L.; ISHKOVA, A.K., red.; BABICHEVA, V.V., tekhn.red.

[Industrial hygiene and safety measures in the organizations and enterprises of commerce and public food service] Okhrana truda i tekhnika bezopasnosti v organizatsiiakh i predpriatiakh torgovli i obshchestvennogo pitaniia. Moskva, Gos.izd-vo torg. lit-ry, 1959. 247 p. (MIRA 13:4)

(Russia--Commerce)
(Industrial hygiene--Law and legislation)

STATSENKO, G.P.; STARCHAKOVA, I.I., red.

[Industrial hygiene and safety measures in trade] Okhrana
truda i tekhnika bezopasnosti v torgovle; sbornik mate-
rialov. Izd.3., dop. Moskva, Ekonomika, 1965. 458 p.
(MIRA 18:7)

STATSENKO, G.P.; FAYZULIN, M.I.; KIRAKOZOVA, N.Sh., red.;
MAMONTOVA, N.N., tekhn. red.

[Industrial hygiene and accident prevention in the organizations and enterprises of state commerce and public dining]
Okhrana truda i tekhnika bezopasnosti v organizatsiiakh i
predpriatiakh gosudarstvennoi torgovli i obshchestvennogo
pitaniia; sbornik materialov. Moskva, Gostorgizdat, 1962.
311 p. (MIRA 15:9)

(Restaurants, lunchrooms, etc.--Hygienic aspects)
(Commerce--Hygienic aspects) (Accidents--Prevention)

STATSENKO, G.P.; KOLOSOV, A.P., red.; MAMONTOVA, N.N., tekhn. red.

[Collected norms for sanitary work clothes for trade
workers] Sbornik norm sanspetsodezhdy dlia rabotnikov torgovli.
Moskva, Gostorgizdat. 1962. 159 p. (MIRA 16:5)
(Clothing, Protective)

KOMPLEKTY, G.M.; STATECNO, N.P.

Thermal inertia of standard platinum resistance thermometers.
Trudy VNIIM no.4:84-89 147. (MIRA 11:11)
(Thermometers)

STATSENKO, N.P.

Prognostic significance of conditioned hypoglycemia in mental diseases. Zhur. nerv. i psikh. 54 no.9:767-768 S '54. (MLRA 7:9)

1. Kafedra psikhatrii Omskogo meditsinskogo insituta imeni M.I. Kalinina i Omskaya psikhoneurologicheskaya bol'nitsa.

(MENTAL DISORDERS, blood in, hypoglycemia, conditioned reflex hypoglycemia, progn. value)

(REFLEX, CONDITIONED, prod.hypoglycemia in ment. disor., progn. value)

(HYPOGLYCEMIA, in ment. disord., conditonned reflex hypoglycemia, prog. value)

STATSENKO, N. P⁷ Cand Med Sci -- (diss) "Data on the study of conditioned-reflex hypoglycemia during insulin treatment of mental diseases." Omsk, 1956. 11 pp 20 cm. (Kazan' State Med Inst. ^{From} ~~of~~ the ~~the~~ Chair of Psychiatry, ~~the~~ Omsk State Med Inst im M. I. Kalinin), 110 copies (KL, 7-57, 110)

79

STATSENKO, N.P.; LARIN, S.M.

"Travel" paranoias. Trudy Gos.nauch.-issl.inst.psikh. 27:315-
(MIRA 15:10)
320 '61.

1. Omskiy meditsinskiy institut. Dir. - prof. I.S.Novitskiy.
Kafedra psichiatrii. Zav. - dotsent Ya.L.Vikker.
(PARANOIA)

STATSENKO V. A.
ULAZOVSKIY, V.A.; STATSENKO, V.A.

Apparatus for moistening, and for calculating weight of glass batches. Stek.i
ker. 10 no.10:28 0 '53. (MILBA 6:10)

1. Gomel'skiy stekol'nyy zavod imeni Stalina.

(Glass manufacture)

AUTHOR: Statsenko, V.G., Mining Engineer 127-58-4-18/31

TITLE: Complex Labor Organization of Stoping Works (Kompleksnaya organizatsiya truda na ochistnykh rabotakh) From the Experience of Kochkarsk Mine Administration of the Yuzhuralzoloto Trust (Iz opyta Kochkarskogo rudoupravleniya tresta Yuzhuralzoloto)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 4, pp 63-64 (USSR)

ABSTRACT: The author describes the working schedule of the brigade of I.G. Zharynin, composed of 7 men working in 3 shifts. The brigade systematically overfulfilled the norms by 21 to 97%. There is one diagram.

ASSOCIATION: Kochkarskoye rudoupravleniye (Kochkarskoye Mine Administration)

Card 1/1 1. Mines - Production 2. mines - Labor - Organization

S/081/62/000/004/011/087
B149/B101

AUTHORS: Yemel'yanov, V. S., Yevstyukhin, A. I., Abanin, D. D.,
Statsenko, V. I.

TITLE: An improved method for the preparation of chromium by
iodination and its properties

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 4, 1962, 94, abstract
4V8 (Sb."Metallurgiya i metalloved. chist. metallov".
no. I. M., 1959, 44-62)

TEXT: A laboratory unit for the refining of chromium through its iodide
has been developed; the ideal conditions and a diagram of the process have
been determined. A comparative study has been carried out on the
mechanical properties of the prepared chromium and of chromium remelted in
an arc. The single crystals and the chromium remelted in an arc had a
cubic body centered lattice with the parameter 2.8790 ± 0.001 at room
temperature. [Abstracter's note: Complete translation.]

Card 1/1

YEMEL'YANOV, V.S.; YEVSTYUKHIN, A.I.; ABANIN, D.D.; STATSENKO, V.I.

Iodide method of refining chromium. Met. i metalloved. chist.
no. 2:14-26 '60. (MIRA 13:12)
(Chromium--Metallurgy) (Iodides)

5(3)

AUTHORS:

Perveyev, F. Ya., Statsevich, V. Ya.

SOV/79-29-7-6/83

TITLE:

Investigations in the Field of the Dioxides of the Acetylene Series. I (Issledovaniya v oblasti diokisey atsetilenovogo ryada. I)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 7, pp 2132-2137 (USSR)

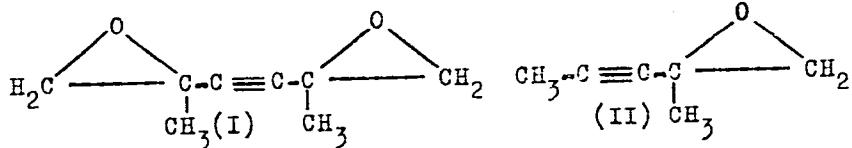
ABSTRACT:

The purpose of the present paper was the reaction of dioxides of the acetylene series with amines, a comparison of the reactivity of di- and monooxides of this series as well as the solution of the problem as to how the oxide cycle opens under the action of amines, and under which conditions the forming diamino glycols are transformed into the corresponding β -aminopyrryl carbinols. Pyrrole homologs of this structure have hitherto not been described in publications. The dioxides of the acetylene series have equally been little investigated so that the investigation of the opening of the oxide ring under the action of alcohols in alkaline or acid catalysis was of interest. The dioxide 2,5-dimethyl dioxydo-1,2-5,6-hexyne-3(I) served as initial substance

Card 1/3

Investigations in the Field of the Dioxides of the Acetylene Series. I

SOV/79-29-7-6/85



In the reaction of (I) with ammonia, methyl- and ethyl amine it was found that this dioxide has a higher reactivity than the monoxides of the acetylene series. Thus, (II) reacts with amines when heated in closed ampoules at 100°, in contrast to (I) which reacts explosion-like even with methylamine (without cooling). By the reaction of methylamine with (I) compound (III) is formed which in the case of longer heating passes into compound (IV). Thus, N-methyl-2-(1-oxy-2-methylamino isopropyl)-4-methyl pyrrole and N-ethyl-2-(1-oxy-2-ethyl-amino isopropyl)-4-methyl pyrrole were synthesized. In the reaction of the dioxide with alcohol it was found that in the alkaline catalysis 1,6-diethoxy-2,5-dimethylhexyne-3-diol-2,5 and in acid catalysis 2,5-diethoxy-2,5-dimethylhexyne-3-diol-1,6 is formed.

Card 2/3

Investigations in the Field of the Dioxides of
the Acetylene Series. I

SOV/79-29-7-6/83

The spectroscopic investigation confirmed the above observations.
There are 6 references, 3 of which are Soviet.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet
(Leningrad State University)

SUBMITTED: July 4, 1958

Card 3/3

PERVEYEV, F.Ya.; STATSEVICH, V.Ya.

Dioxides of the acetylene series. Part 2. Zhur. ob. khim.
30 no.11:3558-3561 N'60. (MIRA 13:11)

1. Leningradskiy gosudarstvennyy universitet.
(Acetylene compounds)

PERVEYEV, F.Ya. & STATSEVICH, V.Ya.

Dihydroxides of the acetylenic series. Part 3. Zhur. ob. khim. 32
no. 7:2095-2097. M 1962. (MIRA 1517)

1. Leningradskiy gosudarstvennyy universitet.
(Hydroxy compounds) (Acetylene compounds)

LEVYEV, F. Ya.; STANOVICH, V. Ya.

Dioxides of the acetylenic series. Part 4. Zhur. ob. Khim.
34 no.6:1733-1737 Je '64. (MIRA 17:7)

L. Leningradskiy gosudarstvennyy universitet.

WITZIG, B.L.

Lubricating the bearings of the auger of the M.I.A mixer.
(MIRA 17:9)
Avt. dor. 27 no.4:28 Ap '64.

STATTER, H.

Autom tization of the gearbox. p. 148, Vol. 5, no. 5, May 1955, TECHNIKA MOTORYZACYJNA

SO:MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, (SEAL), LC, VOL. 4, no. 9,
Sept. 1955, Uncl.

L U P C C I - 6 7 6 6
ACC NR: AP6027427

SOURCE CODE: P0/0095/66/014/006/0603/0606

AUTHOR: Lunc, M. -- Lunts, M.; Statuch, J. -- Statukh, Ya.

ORG: Institute of Nuclear Research, Swierk-Warsaw (Instytut Badan Jadrowych)

TITLE: Behavior of some solid bodies under the influence of instantaneous concentration of high energy

SOURCE: Polska akademia nauk. Bulletin. Serie des sciences techniques, v. 14, no. 6, 1966, 603-606

TOPIC TAGS: graphite, superhigh pressure, detonation wave, shaped charge

ABSTRACT: Specimens of various materials including nickel, iron, zinc, lead, aluminum and carbon were subjected to ultrahigh pressure produced by simultaneous detonation of two shaped charges, one at each end of the specimen. Pulverized graphite subjected to this type of compression adheres tightly to the walls of the container and shows a cavity close to the axis. Graphite with an initial density of 1.65 g/cm³ was compressed to 2.16 g/cm³. The specimens showed holes caused by the explosive expansion of the compressed material after the action of the detonation wave stops. Experiments with lead showed complete dispersion. Compression of the specimens produces high temperatures resulting in melting and bubbling of the material.

Orig. art. has: 6 figures.

SUB CODE: 20/ SUBM DATE: None/ OTH REF: 001

Card 1/1 gd

SANDRU, L., ing.; RADULESCU, L., ing.; STATULESCU, I., tehn.; SOLOMONOVICI, I., tehn.

New aspects of the research on rock pressure in lignite mines. Rev
min 15 no.2:62-73 F '64.

STATULYAVICHIS, L. V.

Stock and Stockbreeding

Successes of the "Santaka" Collective Farm. Sots. zhiv. 14 no. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

STATULYAVICHUS, V. A.

Call Nr: AF 1108825
(Cont.) Moscow,

Transactions of the Third All-union Mathematical Congress
Jun-Jul '56, Trudy '56, v. 1, Sect. Rpts. Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp.
Sragovich, V. G. (Moscow). Construction of the Statistic, Moscow, 1956, 237 pp.
Theory of Nonstationary Systems Based on Probability
Methods.

130-131

Mention is made of Khinchin, A. Ya.

131-132

Statulyavichus, V. A. (Leningrad). Theorem of Nonhomogenous
Markov Chains.

Tumanyan, S. Kh. (Yerevan). On the Capacity of χ^2 Test in
Relation to "Close" Alternatives.

132

Eydel'nant, M. I. (Tashkent). Application of the Theory
of Decision Functions for Designing Standard Plans of
Acceptance Control.

132

Mention is made of Kolmogorov, A. N.

Card 42/80

STATULEVICIUS, V.A.

Local limit theorem for unhomogeneous Markov chains. Dokl.AN SSSR
107 no.4:512-516 Ap '56. (MLRA 9:7)

1. Leningradskiy gosudarstvennyy universitet imeni A.A.Zhdanova.
Predstavlene akademikom A.N.Kolmogorovym.
(Limit theorems (Probability theory))

STATULJAVICHUS, V.A.

SUBJECT USSR/MATHEMATICS/Theory of probability CARD 1/1 PG - 840
AUTHOR STATULJAVICHUS V.A.
TITLE Asymptotic decomposition of non-homogeneous Markov chains.
PERIODICAL Doklady Akad.Nauk 112, 206 (1957)
reviewed 6/1957

The author considers a non-homogeneous Markov chain with a finite number of possible states e_1, \dots, e_s . Let the random term $S_n^{(\alpha)}$ be the number of successes in the state e_α during the first n steps. Then the author considers the probability that the vector $S_n = (S_n^{(1)}, \dots, S_n^{(s)})$ assumes the value $m = (m_1, \dots, m_s)$ if e_γ was the initial state. A theorem is formulated without proof. Earlier results of the author (Doklady Akad.Nauk 107, 4 (1956)) are used.

INSTITUTION: University Leningrad.

STATULYAVICHUS, V. A.

20-5-6/54

AUTHOR: STATULYAVICHUS, V.A.

TITLE: Local Limit Value Theorem for Inhomogeneous Markov Chains With a Countable Number of Possible States (Lokal'naya predel'naya teorema dlya neodnorodnykh tssepy Markova so shchetnym chislom vozmozhnykh sostoyaniy)

PERIODICAL: Doklady Akad.Nauk SSSR, 1957, Vol.115, Nr.5, pp.872-873 (USSR)

ABSTRACT: Let $X_1, X_2, \dots, X_n, \dots$ be a sequence of random variables which assume integral values and which are combined in an inhomogeneous Markov chain, where the transition probabilities are $p_{ij}^{(k)} = P\{X_k = j | X_{k-1} = i\}$ and the absolute probabilities are $p_{k|j} = P\{X_k = j\}$. Let $S_n = X_1 + X_2 + \dots + X_n$.

Theorem: Let the following conditions be satisfied:

- I. There exists a j_0 for which $p_{ij_0}^{(k)} \geq \alpha > 0$ for arbitrary i and k ,
- II. $B_n^2 = D S_n \geq c_n$; $c > 0$,
- III. There exist uniformly bounded absolute moments $M|X_k|^s$ up to the order s ($s \geq 3$),

Card 1/2

Local Limit Value Theorem for Inhomogeneous Markov Chains 20-5-6/54
 With a Countable Number of Possible States.

IV. The greatest common divisor of the differences $j-j_0$ for
 which $\frac{1}{\ln n} \sum_{k=1}^n p_{k|j} \rightarrow \infty$ ($n \rightarrow \infty$), equals 1.

Then there holds the decomposition

$$B_n P\{S_n = m\} = g(x_{nm}) + \sum_{k=1}^{s-3} \frac{1}{n^{k/2}} P_k \left(-\frac{d}{dx} \right) g(x_{nm}) + O\left(\frac{1}{n^{s-2}} \right),$$

Card 2/2 where $g(x) = \frac{1}{\sqrt{2\pi}} \exp\left[-\frac{x^2}{2}\right]$, $x_{nm} = \frac{m-MS_n}{B_n}$ and $P_k\left(-\frac{d}{dx}\right)g(x)$
 denotes that in the polynomial $P_k(it)$ the powers $(it)^v$ can be
 replaced by $(-1)^v \frac{d^v}{dx^v} g(x)$.

ASSOCIATION: Leningrad State University im. A. A. Zhdanov (Leningradskiy gosudar-
 stvennyy universitet im. A. A. Zhdanova)
 PRESENTED : By A. N. Kolmogorov, Academician, March 14, 1957
 SUBMITTED : December 8, 1956
 AVAILABLE : Library of Congress

STATULYAVICHUS, V. A.: Master Phys-Math Sci (diss) -- "Local limiting theorems for nonhomogeneous Markov chains". Leningrad, 1959. 8 pp (Leningrad Order of Lenin State U im A. A. Zhdanov), 150 copies (KL, No 12, 1959, 125)

STATUE OF YAHWEH, V. 1

Stoyan, V.P. On a Property of Acceptability. (Thesis)

Floris, J.M. Limit Theorems for Random Quantities on Compact Abelian Groups. (Theses)

Petrov, V.V. On a Central Limit Theorem for n -Dependent Quantities

Stepanov, V.A. Limit Theorems for Heterogeneous Markov's Chains

Torebnev, I.S. Modern State of the Theory of Games and Cooperative Games. (Theses)

Korobkov, I.A. and V.N. Kuklev. Some Problems in the Theory of Partition Games. (Theses)

Khurk, N.V. Limit Theorems for Large Deviations in the Theory of Heterogeneous Markov's Chains

Hiebert, Wolfgang. Local Limit Theorems for Probabilities of Large Deviations. Necessity of Cramer's Condition

Plambeck, B.J. On Constructive Proof of the Basic Shannon's Theorem for Simple Binary Case. (Thesis)

Durans, I.M. Some Properties of Stochastic Pulse Processes

Hauschke, A.F. Random Measures and their Applications in the Theory of Technological Processes and Statistics. (Theses)

Chesnayev, M.M. Topologic Measures and the Theory of Random Functions

Slobodcikov, N.P. On Evaluation of a Distribution Function Based on the Normalization of a Stationary Process

Hilman, M.I. On a Problem of a Random Walk. (Theses)

STATULYAVICHUS, V.A. [Statulevicius, V.A.] (Vil'nyus)

Some new results for sums of loosely dependent random quantities.
Teor. veroiat. i ee prim. 5 no.2:258-259 '60. (MIR 13:9)
(Probabilities)

L 19380-63

BDS/EWT(d)/FCC(w)

AFFTC/IJP(C)

PG-4

S/2924/61/001/01-/0231/0314

ACCESSION NR: AT3002175

AUTHOR: Statulyavichus, V.TITLE: Local limit theorems and asymptotic expansions for inhomogeneous Markov chains

SOURCE: Litovskiy matematicheskiy sbornik. v.1, no. 1-2, 1961, 231-314

TOPIC TAGS: Markov chains, local limit theorem, conditional characteristic function, asymptotic expansion

ABSTRACT: Chapter headings are:

Introduction

Chapter I. Transitional characteristic functions

1. Definition and general properties

2. Ergodicity of transitional characteristic functions

3. Asymptotic expansion for the characteristic function of a sum

Chapter II. Local limit theorems in one dimension

1. Some lemmas

2. Estimates of the characteristic function of a sum in the second interval

3. Estimates of the characteristic function of a sum in the third interval

Cord-1424

Inst. Phys. & Math. A.S. L'th S.S.R.

VOROB'YEV, N.N., red.; GNEDENKO, B.V., red.; DOBRUSHIN, R.L., red.; DYNKIN, Ye.B., red.; KOIMOGOROV, A.N., red.; KUBILYUS, I.P. [Kubilius, I.P.], red.; LINNIK, Yu.V., red.; PROKHOROV, Yu.V., red.; SMIKOV, N.V., red.; STATULYAVICHYUS, V.A. [Statulavicius, V.A.], red.; YAGLOM, A.M., red.; MELINENE, D., red.; PAKERITE, O., tekhn. red.

[Transactions of the Sixth Conference on Probability Theory and Mathematical Statistics, and of the Colloquy on Distributions in Infinite-Dimensional Spaces] Trudy 6 Vsesoiuznogo soveshchaniya po teorii veroiatnostei i matematicheskoi statistike i kollokviuma po raspredeleniyam v beskonechnomernykh prostranstvakh. Vilnius, Palanga, 1960. Vil'nius, Gos.izd-vo polit. i nauchn. lit-ry Litovskoi SSR, 1962. 493 p. (MIRA 15:12)

1. Vsesoyuznoye soveshchaniye po teorii veroyatnostey i matematicheskoy statistike i kollokviuma po raspredeleniyam v beskonechnomernykh prostranstvakh. 6th, Vilnius, Palanga, 1960. (Probabilities--Congresses) (Mathematical statistics--Congresses) (Distribution (Probability theory))--Congresses

ACCESSION NR: AT4039221

S/0000/63/000/000/0123/0130

AUTHOR: Statulyavichyus, V. A.

TITLE: Asymptotic expansion of the characteristic function of a sum of independent random variables

SOURCE: AN UzSSR. Institut matematiki. Predel'nye teoremy* teorii veroyatnostey (Limit theorems for the theory of probability). Tashkent, Izd-vo AN UzSSR, 1963, 123-130

TOPIC TAGS: asymptotic property, asymptotic expansion, characteristic function, bounded function, Liapunov function

ABSTRACT: The essence of the paper is the theorem: Let ξ_1, ξ_2, \dots be a sequence of independent random variables with zero means, having the finite absolute moments $M|\xi_j^s|$, $s \geq 3$, $j = 1, 2, \dots$. If the Liapunov fraction $L_{sn} \rightarrow 0$ as $n \rightarrow \infty$, the characteristic function $f_n(t)$ of the sum $S_n = \sum_{j=1}^n \xi_j$ has the asymptotic expansion

$$f_n(t) = e^{-\frac{t^2}{2}} \left(1 + \sum_{s=3}^{s-1} Q_{sn}(it) L_{sn} + o_s(|t|^3 + |t|^{3(s-2)}) L_{sn} \right)$$

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ACCESSION NR: AT4039221

where

$$Q_{kn}(it) = \sum_{j=1}^{k-2} q_{jkn} (it)^{k+2(j-1)}$$

is a polynomial of degree $3(k-2)$, $k = 2, 3, \dots, 3$, with bounded coefficients.
Orig. art. has: 46 formulas.

ASSOCIATION: Institut matematiki AN UzSSR (Institute of Mathematics AN UzSSR)

SUBMITTED: 29Apr63

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SOURCE CODE: UR/0052/65/010/004/0645/0659

AUTHOR: Statulyavichus, V. A. -- Statulevicius, V. A.

44, 55

ORG: None

TITLE: Limit theorems for density functions and asymptotic expansions for the distribution of sums of independent random variables

SOURCE: Teoriya veroyatnostey i yeye primeneniya, v. 10, no. 4, 1965, 645-659

16, 40, 55

16, 44, 55

TOPIC TAGS: function analysis, distribution function, dispersion/equation, probability

ABSTRACT: The author studies the sequence

$$\xi_1, \xi_2, \dots, \xi_n, \dots \quad (1.1)$$

of independent random variables with $M\xi_k = 0$ and finite dispersions $\sigma_k^2 = D\xi_k$, $k = 1, 2, \dots$

It is assumed

$$S_n = \sum_{k=1}^n \xi_k, \quad B_n^2 = \sum_{k=1}^n \sigma_k^2, \quad Z_n = \frac{S_n}{B_n}.$$

The author presents theorems for the density functions and asymptotic expansions for the distribution functions and the density functions of sums of nonidentically distributed independent random variables. Orig. art. has: 55 formulas.

SUB CODE: MA / SUBM DATE: 19Jul65 / ORIG REF: 010 / OTH REF: 001

Card 1/1

STATUT, B.

~~USSR~~ Electronics - Radio broadcasting

Card 1/1 : Pub. 89 - 10/29

Authors : Statut, B., and Gol'dich, Yu.

Title : Relaying radio programs over telephone wires

Periodical : Radio 7, 17-18, July 1954

Abstract : The method and equipment used for relaying radio programs from Riga, Latvia, to regional radio centers (on a 85 kc frequency) and then to local intra-regional centers (on a 31.5 kc frequency) are described. The component parts of the radio equipment are also described, and their arrangement and location in the office of the local telephone stations are indicated.

Institution : ...

Submitted : ...

STAUB, F.

Staub, F.
"Accumulation of potassium through human blood corpuscles." p. 236.
(Acta Physiologica Academiae Scientiarum Hungaricae. Vol. 4, no. 3/4, 1953, Budapest.)

SO: Monthly List of East European Acquisitions, Vol. 2, No. 9, Library of Congress, September
1953, Uncl.

Staub Fr.

Staub Fr., Prof. Eng. "Steel for Gear Wheels." (Stal na kola zebate).
Hutnik, No 5-6, 1949, pp. 184-187, 4 figs., 1 tab.

The author discusses a method applied in Germany for the manufacture of gear wheels from carbon steel containing approx. 0.8% C, 0.2 to 1% Mn and approx. 0.2% V, with gradual heat treatment (in a salt bath furnace), which produces a well-hardened surface layer, and simultaneously gives high resistance properties to the core. A comparison was carried out in respect of the distribution of hardness of the teeth of gear wheels made by the above method without case hardening (Bn) and with case-hardened gear wheels. Consideration is given to the problem of selection of material according to the construction of the gear wheels, to the heat treatment method, economic advantages and the possibilities of this method being adopted by units of Polish industry.

SO: Polish Technical Abstracts - No. 2, 1951

Staub F.

Staub F., Prof. Eng. and Wojciechowski S., Eng. "Modern Methods of Research on the Hardenability of Steel." (Wspolczesne metody badania hartownosci stali). Przeglad Mechaniczny. No 1-3, 1950, pp. 44-51, 12 figs., 1 tab.

Physical principles for determining the hardenability. Factors which raise difficulties in the absolute determination of hardenability. Methods of determining the hardenability of steel. Construction of U-type curves. Shepherd's P-F method. S-A-C method. M. A. Crossmann's determination of hardenability by means of cooling time. Hardenability line. Green and Post's cone test. Shepherd's disc hardening test. Shepherd's P-V method. A method of determination of the hardenability of deeply hardening alloy steels.

SO: Polish Technical Abstracts - No. 2, 1951

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Investigation on the Suitability of Steel and Cast Iron for
Case-Hardening with High-Frequency Currents. F. Staub and
K. Pogorelski. (From *Radiotekhnika i Sviaz* Inst. Nef., 1951,
8, No. 3, 375-387). [In Polish]. The results of investigations
on the induction hardening of steel, steel castings, and cast
iron are presented. The effect of surface temperature reached
during heating on the hardness of the surface layer and the
effect of the heating time on the depth of hardening are
discussed. The mechanisms of the transformations during
high-frequency heating and their influence on the structure
of the hardened zone are discussed.—V. G.